In the Claims

What is claimed is:

- 1. (currently amended) A spoked wheel for a bicycle, comprising:
- a) a rim having two sides joined together on a base;
- b) a hub;
- c) a plurality of spokes tensed tensioned between the rim and the hub, each provided with a spoke attachment element for attachment to the rim; and
- d) a plurality of seats formed as openings in the rim, each seat to house one of said spoke attachment elements;

wherein the shape and size of the spoke attachment elements and of the seats of the rim are such that:

the spoke attachment element is suitable for taking up a first configuration in which its insertion through the seat is possible; and

the spoke attachment element inserted in the seat is in a second configuration in which the spoke attachment element is substantially fixed with respect to the seat <u>due to transverse contact between the spoke attachment element</u> and the side of the rim.

2. (currently amended) The wheel of claim 1, wherein the rim has two

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sides joined together on a base and a bridge extending extends between the two

sides so as to define an inner chamber enclosed between the bridge, the sides and

the base, the openings of the seats being formed in the base, open to the inner

chamber.

3. (original) The wheel of claim 1, wherein the spoke attachment element

comprises:

a) a shank;

c) a head which is widened with respect to the shank; and

c) a contact plate provided with a hole;

wherein the hole in the plate is narrow enough to prevent the slipping of the

head from the plate, and the hole is large enough to allow the plate to take on both

an attachment position substantially perpendicular to the shank in the second

configuration of the spoke attachment element, and an insertion position which is

inclined with respect to the attachment position in the first configuration of the

spoke attachment element.

4. (original) The wheel of claim 1, wherein the spoke attachment element

comprises:

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a) a widened head formed on the spoke; and

b) a contact plate provided with a hole;

wherein the hole in the plate is narrow enough to prevent the slipping of the head from the plate, and the hole is large enough to allow the plate to take on both an attachment position substantially perpendicular to the spoke in the second configuration of the spoke attachment element, and an insertion position inclined with respect to the attachment position in the first configuration of the spoke attachment element.

- 5. (original) The wheel of claim 3, wherein in the attachment position the shank is free to rotate with respect to the plate, about a longitudinal axis of the spoke.
- 6. (original) The wheel of claim 3, wherein in the attachment position the plate cannot rotate with respect to the rim.
- 7. (original) The wheel of claim 1, wherein the seat has an elongated shape.

8. The wheel of claim 7, wherein the shape of the seat is

elongated in a transverse direction with respect to a circumferential extension of

the rim.

9. (original) The wheel of claim 3, wherein the head has a conical contact

surface with the plate and the plate has a corresponding conical contact surface

with the head.

(currently amended) The wheel of claim 3, wherein the hole in the 10.

plate has at least one notch for receiving the an elongated portion of the spoke in

the insertion position.

(withdrawn) The wheel of claim 3, wherein the spoke attachment 11.

element comprises a contact washer between the head and the plate.

12. (original) The wheel of claim 3, wherein the spoke attachment element

of each spoke comprises a nipple, in adjustable screwing engagement with the

spoke, the nipple including the head and the shank and being coupled to the plate.

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13. (original) The wheel of claim 3, wherein the spoke attachment element

of each spoke comprises a barrel, in attaching engagement with the spoke, the

barrel including the head and the shank and being coupled to the plate.

14. (currently amended) The wheel of claim 3, comprising a sealing gasket

in each seat of the rim, extending around each spoke attachment element, and

extending along a portion of the spoke attachment element and through the opening

in the second configuration.

15. (currently amended) A rim of a spoked wheel for a bicycle, comprising

a plurality of <u>circumferentially extending</u> seat openings formed in <u>a base and joined</u>

sides the rim, each seat being suitable for housing a spoke attachment element,

wherein the seats have an elongated shape.

16. (currently amended) The rim of claim 15, wherein the shape of the

seats is elongated in a transverse direction with respect to a eircumferential

extension circumference of the rim.

17. (currently amended) The rim of claim 15, comprising two sides joined

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together on a base and a bridge extending between the two sides which wherein the

base and sides define an inner chamber enclosed between the bridge, the sides and

the base, the openings of the seats being formed in the base, open to the inner

chamber.

18. (currently amended) A spoke set for a bicycle wheel comprising:

a) a stem; and

b) a spoke attachment element connected to the stem for attaching [[the]]

--a-- spoke to a rim which includes a plurality of seats and two sides joined together

on a base;

wherein the spoke attachment element is suitable for taking up a first

configuration in which its insertion through one of the seats of the rim is possible;

and

wherein the spoke attachment element is suitable for being put in a second

configuration in which the spoke attachment element is substantially fixed with

respect to the seat due to transverse contact between the spoke attachment element

and the side of the rim.

19. (currently amended) The spoke set of claim 18, wherein the spoke

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attachment element comprises:

a) a shank;

b) a head which is enlarged with respect to the shank; and

c) a contact plate provided with a hole;

wherein the hole in the plate is narrow enough to prevent the slipping of the head from the plate, and the hole in the plate is large enough to allow the plate to take on both an attachment position substantially perpendicular to the a spoke in the second configuration of the spoke attachment element, and an insertion position inclined with respect to the attachment position in the first configuration of the spoke attachment element.

- 20. (original) The spoke set of claim 18, wherein the spoke attachment element comprises
 - a) a widened head formed on the spoke; and
 - b) a contact plate provided with a hole;

wherein the hole in the plate is narrow enough to prevent the slipping of the head from the plate, and the hole in the plate is large enough to allow the plate to take on both an attachment position substantially perpendicular to the spoke in the second configuration of the spoke attachment element, and an insertion position

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inclined with respect to the attachment position in the first configuration of the

spoke attachment element.

21. (original) The spoke set of claim 19, wherein the shank is free to rotate

with respect to the plate, about a longitudinal axis of the spoke.

22. (original) The spoke set of claim 19, wherein the head has a conical

contact surface with the plate and the plate has a corresponding conical contact

surface with the head.

23. (original) The spoke set of claim 19, wherein the hole in the plate has

at least one notch for receiving the stem of the spoke in the insertion position.

24. (withdrawn) The spoke set of claim 19, wherein the spoke attachment

element comprises a contact washer between the head and the plate.

25. (original) The spoke set of claim 19, wherein the spoke attachment

element of each spoke comprises a nipple, in adjustable screwing engagement with

the spoke, the nipple including the head and the shank and being coupled to the

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plate.

26. (original) The spoke set of claim 19, wherein the spoke attachment element of each spoke comprises a barrel, in attached engagement with the spoke, the barrel including the head and the shank and being coupled to the plate.

27. (original) The spoke set of claim 18, comprising a gasket around each spoke attachment element, intended for sealing the seat of the rim where the spoke is mounted.

- 28. (cancelled)
- 29. (cancelled)
- 30. (cancelled)
- 31. (cancelled)
- 32. (cancelled)

- 33. (cancelled)
- 34. (cancelled)
- 35. (cancelled)
- 36. (cancelled)
- 37. (currently amended) A spoked wheel of a bicycle, comprising:
- a rim which includes a base and a plurality of seats formed from openings in the base;

a hub;

a plurality of spokes, connecting the hub and the rim in tension, each of the spokes including a first end connected to the rim and a second end connected to the hub;

a plurality of plates, shaped to pass through the openings when positioned at a first angle and to <u>effectively</u> engage the seats <u>in either of two orientations 180</u> degrees from each other about a <u>longitudinal axis of the spokes</u> when positioned at a

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second angle, each of the plates is located on an interior surface of the base and

includes an inner hole which is substantially aligned with a respective one of the

plurality of seats; and

a plurality of rim base facing spoke attachment elements, each connected to

the first end of one of the plurality of spokes and substantially aligned with one of

the inner holes of one of the plurality of plates, and includes a contact surface which

contacts a respective one of the plurality of plates on a side opposite the base.

38. (original) The spoked wheel according to claim 37, wherein the rim

further comprises two sides extending from the base and a bridge joining the two

sides, whereby an inner chamber is defined by the base, two sides, and the bridge.

39. (original) The spoked wheel according to claim 37, wherein each of the

inner holes of the plurality of plates are sized to receive a respective one of the

spokes.

40. (currently amended) The spoked wheel according to claim 39, wherein

each of the plates includes at least one notch on a perimeter of its respective hole to

allow rotation of a respective one of the plates at the first angle while in receipt of

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an elongated portion of the respective one of the spokes.

41. (original) The spoked wheel according to claim 37, wherein each of the

plurality of rim facing spoke attachment elements further includes a head carrying

the contact surface, a shank connected to the head which projects through the

opening toward the hub, and a polygonal peripheral surface located on the shank on

an end opposite the head.

42. (original) The spoked wheel according to claim 37, wherein each of the

contact surfaces of the rim facing elements cooperates with a contact surface of a

respective one of the plates to allow free rotation of the respective one of the rim

facing elements.

43. (original) The spoked wheel according to claim 37, wherein each of the

plurality of spokes further includes a threaded portion located on the first end, and

each of the plurality of rim facing elements further includes a tapped portion which

engages the threaded portion.

44. (original) The spoked wheel according to claim 37, wherein each of the

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plurality of spokes further includes a threaded portion located on the second end

and a stem located on the first end which rigidly connects with the rim facing

element, and wherein the hub includes a plurality of tapped portions which connect

to the threaded portion of each of the spokes.

45. (currently amended) The spoked wheel according to claim 37, further

comprising a plurality of sealing gaskets, each connected to a respective one of the

openings in the base, and each extending along a portion of the spoke attachment

elements and through the holes.

46. (original) The spoked wheel according to claim 37, wherein each of the

plurality of spokes includes a widened head on the first end which cooperates with

the respective one of the plates to retain a respective one of the plurality of rim

facing spoke attachment elements.

47. (withdrawn) The spoked wheel according to claim 45, further

comprising a plurality of auxiliary washers, one of each of the washers is positioned

on a respective one of the spokes between the respective one of the rim facing spoke

attachment elements and a respective one of the widened heads.

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48. (Currently amended) A method for assembling a spoked wheel of a

bicycle comprising:

providing a rim which includes a base and a plurality of seats formed from

openings in the base, a hub, a plurality of spokes which include a first and second

end, a plurality of plates including an inner hole, and a plurality of rim facing spoke

attachment elements including a shank and a head having a contact surface;

inserting each of the rim facing elements through a respective one of the

openings in the base;

positioning each of the plates at a first position angle relative to a respective

one of the openings in the base and inserting each of the plates through the

respective opening into an inner chamber of the rim;

positioning each of the plates at a second position angle relative to the

respective opening in the base to secure each of the plates on an interior surface of

the base, and aligning the inner hole of each of the plates with a respective one of

the seats of the rim;

withdrawing drawing the shank of each of the rim facing attachment

elements through the inner hole of a respective one of the plates and through the

respective opening in the base, and engaging the contact surface of the head of each

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of the rim facing attachment elements with a contact surface of the respective one of

the plates;

connecting the second end of each of the spokes to the hub and connecting the

first end of each of the spokes to the rim facing attachment element.

49. (withdrawn) The method according to claim 48, further comprising the

step of temporarily connecting each of the rim facing elements to a threaded end of

a false-spoke prior to the step of inserting each of the rim facing elements.

(withdrawn) The method according to claim 49, wherein the step of 50.

positioning each of the plates at a first position angle includes the step of

temporarily slideably connecting each of the plates to the false-spoke.

(withdrawn) The method according to claim 50, further comprising the 51.

step of disconnecting each of the rim facing elements from a respective false-spoke

subsequent to the step of withdrawing the shank of each of the rim facing

attachment elements and prior to the step of connecting each of the spokes.

52. (currently amended) The method according to claim 48, further

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comprising the step of connecting a sealing gasket to such that the gasket extends

through each of the openings in the base.

53. (original) The method according to claim 48, further comprising the

steps of

providing each of the spokes with a threaded portion on the first end and

providing each of the rim facing attachments with a tapped portion, and wherein

the step of connecting the spokes includes the steps of mating the threaded and

tapped portions and rotating each of the rim facing attachment elements to tension

the spokes.

54. (original) The method according to claim 53, further comprising the

step of providing a polygonal peripheral surface on each of the shanks on an end

opposite the head, and wherein the step of rotating each of the rim facing

attachment elements includes the step of engaging the polygonal surface with a tool

to apply torque.

55. (original) The method according to claim 48, further comprising the

steps of

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providing each of the spokes with a threaded portion on the second end and

providing the hub with a plurality of tapped portions, and wherein the step of

connecting the spokes includes the steps of mating the threaded and tapped

portions and rotating each of the rim facing attachment elements to tension the

spokes.

56. (currently amended) The method according to claim 48, further

comprising the step of attaching a holding element to each of the rim facing

attachment elements subsequent to the step of withdrawing drawing the shank and

prior to the step of connecting the spokes.

57. (cancelled)

58. (cancelled)

59. (new) The wheel of claim 1, wherein the base and two sides define an

inside with a convex shape and an outside,

wherein the spoke attachment element does not extend outside of the rim in

the second configuration.

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60. (new) The wheel of claim 3, wherein the head cannot pass within the contact plate.